

GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: May 30, 2002, 17:22:50 : Search time 12.88 seconds  
(without alignments)  
212.396 Million cell updates/sec

Title: US-09-730-617-4

Product score: 108  
Sequence: 1 MEGSLRHFALAAQVPI\*SM.....LSRRARQRYRRLIVQILQK 112

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.\*

1: /cgn2\_6/p/odata/2/1aa/5A.COMB.pep.\*

2: /cgn2\_6/p/odata/2/1aa/5L.COMB.pep.\*

3: /cgn2\_6/p/odata/2/1aa/6A.COMB.pep.\*

4: /cgn2\_6/p/odata/2/1aa/6B.COMB.pep.\*

5: /cgn2\_6/p/odata/2/1aa/PCOTUS.COMB.pep.\*

6: /cgn2\_6/p/odata/2/1aa/bockitfist.pep.\*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	161	28.3	32	1	US-08-168-390-16
2	73.5	12.9	473	1	US-08-103-7398-2
3	73.5	12.9	473	2	US-08-474-404-2
4	73.5	12.9	473	2	US-08-483-443-2
5	73.5	12.9	473	2	US-08-483-443-2
6	73.5	12.9	473	2	US-08-483-443-2
7	73.5	12.9	473	2	US-08-483-443-2
8	71.5	12.6	4302	2	US-08-658-136-5
9	71.5	12.6	4303	2	US-08-460-751-2
10	67.5	11.8	15281	2	US-08-471-1194-2
11	65.7	11.5	1286	2	US-08-506-2968-4
12	62	11.4	773	1	US-08-019-870-1
13	62	11.4	773	1	US-08-019-870-1
14	62	11.4	774	1	US-07-747-801A-3
15	65	11.4	774	1	US-07-935-312-3
16	65	11.4	774	1	US-08-019-870-3
17	65	11.4	774	1	US-08-019-870-5
18	65	11.4	774	1	US-08-019-870-8
19	65	11.4	774	1	US-08-019-870-11
20	65	11.4	774	1	US-08-633-760-46
21	65	11.4	774	1	US-08-633-760-48
22	65	11.4	774	1	US-08-633-760-50
23	65	11.4	774	1	US-08-633-760-50
24	64.5	11.4	1019	2	US-08-271-364A-7
25	64.5	11.4	1019	2	US-08-222-715B-26
26	64	11.3	200	4	US-09-181-183-38
27	64	11.3	200	4	US-09-277-700-38

28	63	11.1	261	3	US-08-768-859A-6	Sequence 6, Appl
29	63	11.1	261	3	US-08-768-859A-19	Sequence 19, Appl
30	63	11.1	261	3	US-08-767-820A-6	Sequence 6, Appl
31	63	11.1	261	3	US-08-767-820A-19	Sequence 19, Appl
32	63	11.1	261	3	US-08-622-048B-3	Sequence 3, Appl
33	63	11.1	261	3	US-08-622-048B-14	Sequence 14, Appl
34	63	11.1	261	3	US-08-622-048B-14	Sequence 14, Appl
35	63	11.1	261	4	US-08-983-075D-7	Sequence 7, Appl
36	63	11.1	261	4	US-08-983-075D-7	Sequence 7, Appl
37	63	11.1	451	4	US-08-878-177-2	Sequence 2, Appl
38	63	11.1	478	4	US-08-878-177-4	Sequence 4, Appl
39	63	11.1	478	4	US-08-878-177-4	Sequence 4, Appl
40	62.5	11.0	416	3	US-08-633-760-52	Sequence 52, Appl
41	62.5	11.0	416	3	US-08-633-760-52	Sequence 52, Appl
42	61.5	10.8	238	6	523425-4	Sequence 6, Appl
43	61.5	10.8	250	6	523425-4	Sequence 6, Appl
44	60.5	10.7	774	4	US-08-314-309A-21	Sequence 21, Appl
45	60.5	10.7	228	4	US-08-944-483-44	Sequence 44, Appl

## ALIGNMENTS

RESULT 1  
US-08-168-390-16  
Sequence 16, Application US/08168390  
Patent No. 5620955

GENERAL INFORMATION: Martine  
APPLICANT: Takahashi Kazuyuki  
TITLE OF INVENTION: Bombesin/Gastrin Releasing Peptide Antagonists  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESSES:  
ADDRESSES: Sterne, Kessler, Goldstein & Fox  
STREET: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20005

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COPYING SYSTEM: PC DOS/MS-DOS  
SOFTWARE: Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/168,390  
FILING DATE: Herewith

CLASSIFICATION: 510  
ATTORNEY/AGENT INFORMATION:  
NAME: Goldstein, Jorge A  
REFERENCE/DOCKET NUMBER: 0871,0040001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 371-2600  
TELEFAX: (202) 371-2640  
TELEX: 248636 SSK

INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 32  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: Peptide  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
FEATURES:  
LOCATION: 32  
OTHER INFORMATION: /note="The methionine at position 32 is methionine amide."  
PUBLICATION INFORMATION:  
AUTHORS: Spindell, Elliot R.  
AUTHORS: Krane, Ian M.

TITLE: Molecular Biology of Bombesin-like Peptides  
JOURNAL: Ann. N. Y. Acad. Sci.  
VOLUME: 544  
PAGES: 107-30  
DATE: 1988  
RELEVANT RESIDUES IN SEQ ID NO: 2: FROM 1 TO 32  
US-08-168-390-16

Query Match 28 3% Score 161 DB 1 Length 32;  
Best Local Similarity 28 3% Pred. No. 1.2;  
Matches 28: Conservative 0; Mismatches 2; Indels 0; Gaps 0;

0y 17 PLSMDPEPRSRASKIRVHSGKMLAHQHM 47  
DB 2 PLSMDPEPRSRASKIRVHSGKMLAHQHM 32

## RESULT 2

US-08-103-7398-2  
Sequence 2, Application US/081037398  
Patent No. 5478369  
GENERAL INFORMATION:  
APPLICANT: ALBERTSEN, Marc C.  
ATTORNEY: BEACH, Larry R.  
APPLICANT: HOWARD, John A.  
APPLICANT: HOFFMAN, Gary A.  
TITLE OF INVENTION: DNA Sequences Mediating Male Fertility  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Pioneer Hi-Bred International, Inc.  
STREET: 700 Capital Square, 400 Locust Street  
STATE: Des Moines  
COUNTRY: U.S.  
ZIP: 50309  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/103,7398  
FILING DATE: 02-AUG-1993  
CLASSIFICATION: 800  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/537,183  
FILING DATE: 12-JUN-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Sweeney, Patricia A.  
REGISTRATION NUMBER: 32,733  
REFERENCE/DOCKET NUMBER: 012582  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (515) 248 4897  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS: 2;  
LENGTH: 473 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-103-7398-2

Query Match 12 9% Score 73.5 DB 1 Length 473;  
Best Local Similarity 28 2% Pred. No. 1.2;  
Matches 28: Conservative 11; Mismatches 24; Indels 33; Gaps 5;

0y 1 MGSLHPLALLAA--GVVPL-----SMDPEPRSRASKIRVHSG 37  
DB 30 LEFALLALALLVADPFLSPFLAEVDYRVYKHLAPVGEYKMSW---PDNASHLR---R 82  
0y 38 GRLVAIGHFMCKKSLSPSSPSFLCTAHTHTSLDQRL 73

DB 83 GRLPEVGEVFPESPIERFDLQ---GRQPVAGLADGRV 115

## RESULT 3

US-08-474-404-2  
Sequence 2, Application US/08474404  
Patent No. 5824524  
GENERAL INFORMATION:  
APPLICANT: ALBERTSEN, Marc C.  
ATTORNEY: BEACH, Larry R.  
APPLICANT: HOWARD, John A.  
APPLICANT: HOFFMAN, Gary A.  
TITLE OF INVENTION: Nucleotide Sequences Mediating Fertility and Method of Using  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Pioneer Hi-Bred International, Inc.  
STREET: 700 Capital Square, 400 Locust Street  
STATE: Des Moines  
COUNTRY: U.S.  
ZIP: 50309  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/474,404  
FILING DATE: 07-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/103,739  
FILING DATE: 02-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/537,183  
FILING DATE: 12-JUN-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Sweeney, Patricia A.  
REGISTRATION NUMBER: 32,733  
REFERENCE/DOCKET NUMBER: 012582R3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (515) 248 4897  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS: 2;  
LENGTH: 473 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-474-404-2

Query Match 12 9% Score 73.5 DB 2 Length 473;  
Best Local Similarity 29 2% Pred. No. 1.2;  
Matches 28: Conservative 11; Mismatches 24; Indels 33; Gaps 5;

0y 1 MGSLHPLALLAA--GVVPL-----SMDPEPRSRASKIRVHSG 37  
DB 30 LEFALLALALLVADPFLSPFLAEVDYRVYKHLAPVGEYKMSW---PDNASHLR---R 82  
0y 38 GRLVAIGHFMCKKSLSPSSPSFLCTAHTHTSLDQRL 73  
DB 83 GRLPEVGEVFPESPIERFDLQ---GRQPVAGLADGRV 115

## RESULT 4

US-08-485-845-2  
Sequence 2, Application US/08485845  
Patent No. 5850014  
GENERAL INFORMATION:  
APPLICANT: ALBERTSEN, Marc C.  
ATTORNEY: BEACH, Larry R.  
APPLICANT: HOWARD, John A.  
APPLICANT: HOFFMAN, Gary A.  
TITLE OF INVENTION: Nucleotide Sequences Mediating Fertility and Method of Using

```

? NUMBER OF SEQUENCES: 8
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Pioneer Hi-Bred International, Inc.
? STREET: 700 Capital Square, 400 Locust Street
? CITY: Des Moines
? STATE: Iowa
? COUNTRY: U.S.
? ZIP: 50309
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent in Release #1.0, Version #1.25
? CURRENT APPLICATION DATA:
? FILING DATE: 07-JUN-1995
? APPLICATION NUMBER: US/08/485,845
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/103,739
? FILING DATE: 02-AUG-1993
? PRIORITY DATE: 07-5/37,183
? ATTORNEY/AGENT INFORMATION:
? NAME: Sweeney, Patricia A.
? REGISTRATION NUMBER: 32,733
? REFERENCE/DOCKET NUMBER: 0125R2
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (515) 248-4897
? TELEFAX: (515) 248-4847
? INFORMATION FOR SEQ ID NO: 1:
? LENGTH: 473 amino acids
? TYPE: amino acid
? TOPOLOGY: linear
US-08-485-845-2

Query Match          12.9% Score 73.5; DB 2; Length 473;
Best Local Similarity 29.2% Pred. No. 1.2;
Matches 28; Conservative 11; Mismatches 33; Gaps 5;

OY 1 MFSLLHFAALLA--GVPL-----SMDLPRSRASKIRVSR 37
DB 30 LFFALMALVADPFGSLPLAVDVPYKHELPYGVWGSW---PRONASRLR--R 82
OY 38 GKLAIGHFGKSLSPSSPPLGTAPHHSIRDOQL 73
DB 83 GRLEFGEVGEPSIEFDLQ--GNGPYAGLADGRV 115

RESULT 5
US-08-482-714-2
? Sequence 2, Application US/08482714
? GENERAL INFORMATION:
? APPLICANT: ALBERTSEN, Marc C.
? APPLICANT: BEACH, Larry R.
? APPLICANT: HUBMAN, Gary A.
? APPLICANT: HUBMAN, Gary A.
? TITLE OF INVENTION: Nucleotide Sequences Mediating Fertility and Method of Using
? NUMBER OF SEQUENCES: 8
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Pioneer Hi-Bred International, Inc.
? STREET: 700 Capital Square, 400 Locust Street
? CITY: Des Moines
? STATE: Iowa
? COUNTRY: U.S.
? ZIP: 50309
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent in Release #1.0, Version #1.25

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? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/482,714
? FILING DATE: 07-JUN-1995
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/103,739
? FILING DATE: 02-AUG-1993
? APPLICATION NUMBER: US 08/103,739
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 07/537,183
? ATTORNEY/AGENT INFORMATION:
? NAME: Sweeney, Patricia A.
? REGISTRATION NUMBER: 32,733
? REFERENCE/DOCKET NUMBER: 0125R2
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (515) 248-4897
? TELEFAX: (515) 248-4847
? INFORMATION FOR SEQ ID NO: 2:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 473 amino acids
? TYPE: amino acid
? TOPOLOGY: linear
US-08-482-714-2

Query Match          12.9% Score 73.5; DB 2; Length 473;
Best Local Similarity 29.2% Pred. No. 1.2;
Matches 28; Conservative 11; Mismatches 24; Indels 33; Gaps 5;

OY 1 MFSLLHFAALLA--GVPL-----SMDLPRSRASKIRVSR 37
DB 30 LFFALMALVADPFGSLPLAVDVPYKHELPYGVWGSW---PRONASRLR--R 82
OY 38 GKLAIGHFGKSLSPSSPPLGTAPHHSIRDOQL 73
DB 83 GRLEFGEVGEPSIEFDLQ--GNGPYAGLADGRV 115

RESULT 6
US-09-211-416-2
? Sequence 2, Application US/09211416
? Patent No. 6265640
? GENERAL INFORMATION:
? APPLICANT: ALBERTSEN, Marc C.
? APPLICANT: BEACH, Larry R.
? APPLICANT: HUBMAN, Gary A.
? APPLICANT: HUBMAN, Gary A.
? TITLE OF INVENTION: Nucleotide Sequences Mediating Fertility and Method of Using
? NUMBER OF SEQUENCES: 8
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Patricia A. Sweeney
? STREET: 1835 Pleasant St.
? CITY: Des Moines
? STATE: Iowa
? COUNTRY: U.S.
? ZIP: 50265-2334
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent in Release #1.0, Version #1.25
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/211,416
? FILING DATE: 10-DECEMBER-1998
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/485,845
? FILING DATE: 07-JUN-1995
? APPLICATION NUMBER: US 08/103,739
? FILING DATE: 02-AUG-1993
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 07/537,183
? FILING DATE: 12-JUN-1990
? ATTORNEY/AGENT INFORMATION:

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OS-09-211-416-2

NAME: Sweeney, Patricia A.  
REGISTRATION NUMBER: 32-723  
REFERENCE/DOCKET NUMBER: 015SR2C4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (515) 222-0921  
TELEFAX: (515) 267-0556  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 473 amino acids  
TYPE: amino acid  
TOPOLOGY: linear

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Query Match 12.9% Score 73.5% DB 4 Length 473.
Best Local Similarity 29.2% Pred. No. 1.2.
Match 28; Conserved 11; Mismatches 24; Indels 33; Gaps 5

QY 1 MSGLRRLALD---CHVLE-----SDQLPRNRKSKIRMR 37
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 30 LFFALMALADPDCISPLANDVYRPHKRLAYCEYWGSM--PRMSKLR--R 82

QY 38 KMLALGHEFGKSLSPSPSPGLGAPHSLSRQEL 73
      ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 83 RLPEFVEYGEPESTFPLDQ--GAGCYVAGLAGEV 115

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1 RESUBMIT  
 2 7  
 3 US-09-059-958-2  
 4 1 Sequence 2 Application US/09059958  
 5 Patent No. 6287426  
 6  
 7 GENERAL INFORMATION:  
 8 APPLICANT: ALBERTSEN, Marc C.  
 9 APPLICANT: BEACH, Larry R.  
 10 APPLICANT: HOWARD, John A.  
 11 APPLICANT: HUFFMAN, Gary A.  
 12  
 13 TITLE OF INVENTION: Nucleotide Sequences Mediating Fertility and Method of Using  
 14 CORRESPONDENCE: 8  
 15 ADDRESS: Pioneer Hi-bred International, Inc.  
 16 STREET: 700 Capital Square, 400 Locust Street  
 17 CITY: Des Moines  
 18 STATE: Iowa  
 19 COUNTRY: U. S.  
 20 ZIP: 50309  
 21  
 22 COMPUTER READABLE FORM:  
 23 SEQUENCE LISTING: YES  
 24 COMPUTER: IBM PC compatible  
 25 OPERATING SYSTEM: PC-DOS/MS-DOS  
 26 SOFTWARE: Patent Release #1.0, Version #1.25  
 27  
 28 CURRENT APPLICATION DATA:  
 29 APPLICATION NUMBER: US/09/059,958  
 30 FILING DATE:  
 31 PRIORITY APPLICATION DATA:  
 32 APPLICATION NUMBER: 09/482,714  
 33 FILING DATE:  
 34 PRIORITY APPLICATION DATA:  
 35 APPLICATION NUMBER:  
 36 FILING DATE:  
 37 PRIORITY APPLICATION DATA:  
 38 APPLICATION NUMBER:  
 39 FILING DATE:  
 40 PRIORITY APPLICATION DATA:  
 41 APPLICATION NUMBER: US 07/537,183  
 42 FILING DATE: 12-JUN-1990  
 43 ATTORNEY/AGENT INFORMATION:  
 44 NAME: Sweeney, Patricia A.  
 45 REGISTRATION NUMBER: 32,733  
 46 REFERENCE/DOCKET NUMBER: 0125R22  
 47 TELECOMMUNICATION INFORMATION:  
 48 TELEPHONE: (515) 248 4897  
 49 TELEFAX: (515) 248 4444  
 50 INFORMATION FOR SEQ ID NO: 2:  
 51 SEQUENCE CHARACTERISTICS:  
 52 LENGTH: 473 amino acids  
 53 TYPE: amino acid  
 54 TOPOLOGY: linear

Query	MalC	12.9%	Score 73.5	DB 4	Length 473	
Best Local Similarity		29.2%	Pred. No. 1.2			
Matches	Conserved	11	Mismatches	24	Indels	33
						Gaps 5
Qy	1	MSLSLHFLALAA--CNPV-----	SRDLPSRSASTKSMR	37		
Db	30	LFPLALATLALADPQLSPSLAVDYVPKRIELAPGVGWSM--	PRDNASRLR--R	82		
Qy	38	GKLAIGHFPGKKSLSPSSPSPIAGPASHLSRQRL	73			
Db	83	GRLEPVGVEGSPESLSPDQ--GGGVYVGLAGLGRV	115			

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1      RESULT      8
2      US-08-658-136-5
3      Sequence 5, Application US/08658136
4      Patent No. 6071171
5      GENETIC INFORMATION:
6      APPLICANT: KLINER, KATHERINE M
7      APPLICANT: LANDES, GREGORY M
8      APPLICANT: BURN, TIMOTHY C
9      APPLICANT: CONNORS, TIMOTHY D
10     APPLICANT: DACKOWSKI, WILLIAM
11     APPLICANT: GENAINO, GREGOR
12     APPLICANT: JENSEN, TERRY
13     TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
14     NUMBER OF SEQUENCES: 58
15     CORRESPONDENCE ADDRESS:
16     ADDRESSEE: GENZYME CORPORATION
17     STREET: ONE MOUNTAIN ROAD
18     CITY: FRAMINGHAM
19     STATE: MASSACHUSETTS
20     COUNTRY: USA
21     ZIP: 01701
22
23     COMPUTER READABLE FORM:
24     MEDIUM TYPE: Floppy disk
25     COMPUTER: IBM PC compatible
26     OPERATING SYSTEM: PC-DOS/MS-DOS
27     SOFTWARE: GENZYME
28     CURRENT APPLICATION DATA: base #1.0, Version #1.25
29     APPLICATION NUMBER: US/08/658,136
30     FILING DATE:
31     CLASSIFICATION: 435
32
33     ATTORNEY/AGENT INFORMATION:
34     NAME: LASSER, ELLAEBETH
35     REFERENCE/DOCKET NUMBER: 845
36     TELECOMMUNICATION INFORMATION:
37     TELEPHONE: 508-872-8400
38     TELEFAX: 508-872-5415
39     INFORMATION FOR SEQ ID NO: 5:
40     SEQUENCE CHARACTERISTICS:
41     LENGTH: 447 amino acids
42     TYPE: amino acid
43     TOPOLOGY: linear
44
45     MOLECULE TYPE: protein
46
47     US-08-658-136-5

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0Y      3 CSHLIPALLAAQV-----LSMDLPEFRSRAKIV--HSKRLMAIGFMRKSYSE 53
Db      3133 GTRAHGCTHMYDVSQSKRHLDQRAFRINSJDLFRATFRSHGYSVKALRYMDHNGG- 3191
0Y      54 PPSRSGCTGATPTSTLDR-----TGLSMDLGLILLKALGYSLSBPAPQI 101
Db      3192 ---SPAFGLCHIVYLDQTARSAFLVNDLVSVEFANGGLGVEKVEVLAS---DAAALLR 3244
0Y      102 YRRLVQIOTIK 112

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Db      3245 FRLVLAELOR 3255
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      : RESULT
      : 9
      : US-08-460-751-2
      : Sequence 2, Application US/08460751
      : Patent No. 5891628
      : GENERAL INFORMATION:
      : APPLICANT: Reeders, Stephen
      : APPLICANT: Schneider, Michael
      : APPLICANT: Glucksmann, Sandra
      : APPLICANT: Kuehn, Ralf
      : TITLE OF INVENTION: IDENTIFICATION OF POLYCYSTIC KIDNEY
      : TITLE OF INVENTION: DISEASE GEN, DIAGNOSTICS AND TREATMENT
      : NUMBER OF SEQUENCES: 35
      : CORRESPONDENCE ADDRESS:
      : ADDRESSEE: Pennele & Edmonds
      : STREET: 1155 Avenue of the Americas
      : CITY: New York
      : STATE: New York
      : COUNTRY: US
      : ZIP: 10036-2711
      : COMPUTER READABLE FORM:
      : MEDIUM TYPE: Floppy disk
      : COMPUTER: IBM PC compatible
      : OPERATING SYSTEM: PC-DOS/MS-DOS
      : SOFTWARE: PatentIn Release #1.0, Version #1.30
      : CURRENT APPLICATION DATA:
      : PRIORITY NUMBER: US/08-460-751
      : FILING DATE: 02-JUN-1995
      : CLASSIFICATION: 435
      : PRIOR APPLICATION DATA:
      : APPLICATION NUMBER: US 08/413,580
      : FILING DATE: 03-MAR-1995
      : ATTORNEY/AGENT INFORMATION:
      : ATTORNEY: Kohn, Ziff, Davis & Berman
      : REGISTRATION NUMBER: 30,742
      : REFERENCE/DOCKET NUMBER: 7638-005
      : TELECOMMUNICATION INFORMATION:
      : TELEPHONE: (212) 790-9090
      : TELEFAX: (212) 869-8864/9741
      : TELEX: 66141 PENNIE
      : INFORMATION FOR SEQ ID NO: 2:
      : STRAND: single
      : LENGTH: 4303 amino acids
      : TYPE: amino acid
      : TOPOLOGY: unknown
      : MOLECULE TYPE: protein
      : US-08-460-751-2

Query Match      12.6% Score 71.5, Db 2, Length 4303;
Best Local Similarity 26.0% Prod. No. 37;
Matches 34: Conservative 17; Mismatches 51; Indels 29; Gaps 5;

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```

      : APPLICANT: Leitner, Ernst
      : APPLICANT: Schneider, Elisabeth
      : APPLICANT: Schoeigendorfer, Kurt
      : APPLICANT: Weber, Gerhard
      : TITLE OF INVENTION: Cyclosporin Synthetase
      : NUMBER OF SEQUENCES: 8
      : CORRESPONDENCE ADDRESS:
      : ADDRESSEE: NO 5827706atlis Corporation
      : STREET: 59 Route 10
      : CITY: East Hanover
      : STATE: New Jersey
      : COUNTRY: USA
      : ZIP: 07936
      : COMPUTER READABLE FORM:
      : MEDIUM TYPE: Floppy disk
      : COMPUTER: IBM PC compatible
      : OPERATING SYSTEM: PC-DOS/MS-DOS
      : SOFTWARE: PatentIn Release #1.0, Version #1.25
      : CURRENT APPLICATION DATA:
      : APPLICATION NUMBER: US/08-471,119A
      : FILING DATE: 06-JUN-1995
      : CLASSIFICATION: 435
      : ATTORNEY/AGENT INFORMATION:
      : NAME: Kaszenoff, Melvyn
      : REGISTRATION NUMBER: 26,389
      : REFERENCE/DOCKET NUMBER: 100-8029/CONF/CONF
      : TELECOMMUNICATION INFORMATION:
      : TELEPHONE: 201 503 8474
      : TELEFAX: 201 503 9807
      : INFORMATION FOR SEQ ID NO: 2:
      : STRAND: single
      : LENGTH: 15281 amino acids
      : TYPE: amino acid
      : TOPOLOGY: unknown
      : MOLECULE TYPE: protein
      : STRANDEDNESS: single
      : ANTI-SENSE: NO
      : ORIGINAL SOURCE:
      : ORGANISM: Tolypocladium nitveum
      : STRAIN: ATCC 34921
      : US-08-471-119A-2

Query Match      11.8% Score 67, Db 2, Length 15281;
Best Local Similarity 26.8% Prod. No. 6, 9e-102;
Matches 34: Conservative 11; Mismatches 40; Indels 42; Gaps 6;

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ADDRESS: The Scripps Research Institute
STREET: 10550 NO. 611265TH TORREY PINES ROAD, TPC-8
CITY: LA JOLLA
STATE: California
COUNTRY: U.S.
ZIP: 92037
COMPUTER READABLE FORM:
MEDICAL TYPE: floppy disk
OPERATING SYSTEM: IBM PC COMPATIBLE
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/506, 2968
FILING DATE: 24-JUL-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: FILLING THOMAS
REGISTRATION NUMBER: 34,163
REFERENCE/DOCKET NUMBER: TSRI 488.0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 554-2937
TELEFAX: (619) 554-6312
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1266 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-506-2968-4

Query Match 11.5% Score 65.5; DB 4; Length 1266;
Best Local Similarity 28.6%; Pred. No. 38;
Matches 20; Conservative 14; Mismatches 25; Indels 11; Gaps 3;

OY 45 HEMANKELEPPSPSPSLGTPRTSLRDQ--RLQLSHD-----LGLTLKKALGVSLS 95
DB 208 HLOKRTILQNEPLDLNVAHNSKRNKRLPLRDPTTTIALMGOSVYLCLAEGL-- 265
OY 96 PAFQOTRRL 105
DB 266 PTFVWVRRL 275

RESULT 13
US-08-019-870-1
Sequence 1, Application US/08019870
Patent No. 5336613
GENERAL INFORMATION:
APPLICANT: NINJA, MINO
APPLICANT: YOSHIMASA, SAITO
APPLICANT: SASAKI, HITOSHI
APPLICANT: ISHII, YOSHINORI
TITLE OF INVENTION: A NEW CEPHALOSPORIN C ACYLASE
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCQUELLAND, MATER & NEUSTADT,
ADDRESS: P.C.
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/019,870
FILING DATE: 19910219
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NO. 5336613man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 18-791-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 773 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-019-870-1

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```

NAME: Oblon, No. 5336613man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 18-791-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 773 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-019-870-1

Query Match 11.4% Score 65; DB 1; Length 773;
Best Local Similarity 35.4%; Pred. No. 23;
Matches 29; Conservative 8; Mismatches 31; Indels 14; Gaps 5;

OY 9 ALAAAGVLENDLPEPSSAKRIHYNSRGLKALMGHPKSKSPSPSLGTPRTSL 68
DB 9 AYVAAALPELSSGLSPICGLSS--VRVRDAMQIPHI--KASGRADVALGCV-HS-- 60
OY 69 RQRLQLSHDGLGLTLKKALG 90
DB 61 QRLRQWNE-----LTKRALG 76

RESULT 13
US-08-019-870-6
Sequence 6, Application US/08019870
Patent No. 5336613
GENERAL INFORMATION:
APPLICANT: NINJA, MINO
APPLICANT: YOSHIMASA, SAITO
APPLICANT: SASAKI, HITOSHI
APPLICANT: ISHII, YOSHINORI
TITLE OF INVENTION: A NEW CEPHALOSPORIN C ACYLASE
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCQUELLAND, MATER & NEUSTADT,
ADDRESS: P.C.
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/019,870
FILING DATE: 19910219
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5336613man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 18-791-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 773 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-019-870-6

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